Math 112
ReQuiz 04A

2022–02–01 (T)

Your name: _____

Exercise

(4 pt) Consider the function

$$f : (-2, 2) \to \mathbf{R} \qquad \text{given by} \qquad f(x) = \cos\left(\frac{x}{\sqrt{4 - x^2}}\right)$$

where as usual $\mathbf{R}$ denotes "all real numbers". Find the derivative function f'. Be sure to specify its domain and codomain, in addition to the rule(s) of assignment.